SEQUENCE LISTING

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<120> IMPROVED METHODS FOR DETECTING AND MEASURING SPECIFIC NUCLEIC ACID SEQUENCES

<130> 031673-002000

<140> US/10/578,248
<141> 2006-05-04

<150> 60/517,399
<151> 2003-11-06

<160> 11

<170> PatentIn version 3.3

<210> 1
<211> 20
<212> DNA
<213> Artificial

<220>
<223> Reporter Oligonucleotide (RO-TAMRA). The 5'-TAMRA-labeled oligonucleotide is complementary to the 5' tail sequence of the capture oligonucleotide.

<400> 1
aaaatccacc caccccaccc 20

<210> 2
<211> 20
<212> DNA
<213> artificial

<220>
<223> Reporter Complement (RC). This oligonucleotide is complementary to the reporter oligonucleotide.

<400> 2
gggtggggtg ggtggatttt 20

<210> 3
<211> 79
<212> DNA
<213> artificial

<220>
<223> Capture Oligonucleotide (CO) is a 79-mer oligonucleotide has a short nucleotide sequence complementary to a sequence in the murine B7.2 mRNA.

<400> 3
gggtggggtg ggtggatttt cccaaactta cggatcgtgg gtgcttccgt aagtttgggc 60

ccctcctcct ccctcctcc 79

<210> 4
<211> 79
<212> DNA
<213> artificial

<220>
<223> Control Capture Oligonucleotide (CCO). This oligonucleotide has the same sequence as the capture oligonucleotide except that three thymines replace three guanines at positions 23 to 25 (from the 5' terminus).

<400> 4
gggtggggtg ggtggatttt aaaaaactta cggatcgtgg gtgcttccgt aagtttttc 60

ccctcctcct ccctcctcc 79

<210> 5
<211> 24
<212> DNA
<213> artificial

<220>
<223> 24mer Target Sequence (24mer). This oligonucleotide represents a target that is complementary to 24 nucleotides in the target recognition sequence in the CO and CCO.

<400> 5
cccaaactta cggaagcacc cacg 24

<210> 6
<211> 67
<212> DNA
<213> artificial

<220>
<223> B7-67mer Target Sequence (B7-67mer). This oligonucleotide represents a segment of the murine B7.2 mRNA sequence. Its sequence is complementary to the 22 nucleotides in the mRNA recognition sequence.

<400> 6
ccagaactta cggaagcacc cacgatggac cccagatgca ccatgggctt ggcaatcctt 60

atctttg 67

<210> 7
<211> 20
<212> DNA
<213> artificial

<220>
<223> Address Oligonucleotide with Disufide (AO/SS). This oligonucleotide has a disulfide group at the 5' end that enables its attachment to the substrate.

<400> 7
ggaggaggga ggaggagggg 20

<210> 8
<211> 70
<212> DNA
<213> artificial

<220>
<223> Capture oligonucleotide (CO) sequence used in Example 6.

<400> 8
gggtgggtgg gtggttattt tcccttacat cgtgggtgct tccgtaaggg tgggagggag 60

ggagggagag 70

<210> 9
<211> 67
<212> DNA
<213> artificial

<220>
<223> B7-67mer sequence is identical to SEQ ID NO:6, which represents a segment of the murine B7.2 mRNA sequence.

<400> 9
ccagaactta cggaagcacc cacgatggac cccagatgca ccatgggctt ggcaatcctt 60

atctttg 67

<210> 10
<211> 15
<212> DNA
<213> artificial

<220>
<223> T3 sequence complementary to the CO loop region

<400> 10
ggaagcaccc acgat 15

<210> 11
<211> 15
<212> DNA
<213> artificial

<220>
<223> SM sequence differs from the T3 sequence in only one base at position 6.

<400> 11
ggaagaaccc acgat 15